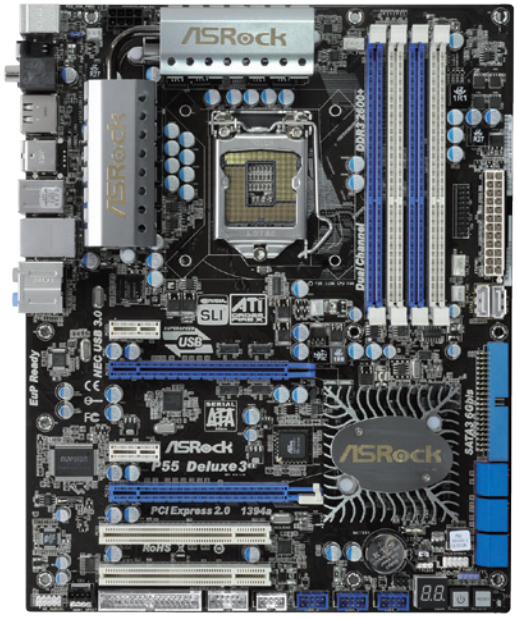
P55 Deluxe3

Intel® P55 Chipset

ASRock
www.asrock.com



Detail Specification

Platform	- ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm - All Solid Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)
CPU	- Supports Intel® Core™ i7 / i5 / i3 and Pentium® G6950 Processors in LGA1156 Package - Advanced V8 + 2 Power Phase Design - Supports Intel® Turbo Boost Technology - Supports Hyper-Threading Technology - Supports Untied Overclocking Technology - Supports EM64T CPU
Chipset	- Intel® P55
Memory	- Dual Channel DDR3 memory technology - 4 x DDR3 DIMM slots - Supports DDR3 2600+(OC)/2133(OC)/1866(OC)/1600/1333/1066 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB - Supports Intel® Extreme Memory Profile (XMP)
Expansion Slot	- 2 x PCI Express 2.0 x16 slots (Single at x16 or Dual at x8/x8 mode) - 2 x PCI Express 2.0 x1 slots (2.5GT/s) - 2 x PCI slots - Supports ATI™ CrossFireX™ and Quad CrossFireX™ - Supports NVIDIA® SLI™ and Quad SLI™
Audio	- 7.1 CH HD Audio with Content Protection - DAC with 110dB dynamic range (VIA® VT2020 Audio Codec) - Premium Blu-ray audio support
LAN	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111DL - Supports Wake-On-LAN
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Coaxial SPDIF Out Port - 1 x Optical SPDIF Out Port - 5 x Ready-to-Use USB 2.0 Ports - 1 x Powered eSATAIII/USB 2.0 Connector - 2 x Ready-to-Use USB 3.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - 1 x IEEE 1394 Port - 1 x Clear CMOS Switch with LED - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
SATA3	- 2 x SATA3 6.0 Gb/s connectors by Marvell SE9128, support hardware RAID (RAID 0 and RAID 1), NCQ, AHCI and "Hot Plug" functions (SATA3_2 connector is shared with eSATA3 port)
USB 3.0	- 2 x USB 3.0 ports by NEC MPD720200, support USB 1.0/2.0/3.0 up to 5Gb/s
Connector	- 6 x SATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, RAID 5 and Intel® Rapid Storage), NCQ, AHCI and Hot Plug functions - 2 x SATA3 6.0 Gb/s connectors - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x IR header - 1 x COM port header - 1 x HDMI_SPDIF header - 1 x IEEE 1394 header - 1 x TPM header - 1 x Chassis Intrusion header - 1 x Power LED header - CPU/Chassis/Power FAN connector - 24 pin ATX power connector - 8 pin 12V power connector - CD in header - Front panel audio connector - 3 x USB 2.0 headers (support 6 USB 2.0 ports) - 1 x Dr. Debug with LED
Smart Switch	- 1 x Power Switch with LED - 1 x Reset Switch with LED - 1 x Clear CMOS Switch with LED
BIOS Feature	- 16Mb AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - CPU, VCCM, SB, VTT, PCH PLL Voltage Multi-adjustment - Supports I. O. T. (Intelligent Overclocking Technology)
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial)

Unique Feature	- ASRock OC Tuner
	- Intelligent Energy Saver
	- Instant Boot
	- ASRock Instant Flash
	- ASRock OC DNA
	- Hybrid Booster:
	  - CPU Frequency Stepless Control
	  - ASRock U-COP
	  - Boot Failure Guard (B.F.G.)
	- Combo Cooler Option (C.C.O.)
	- Good Night LED

Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU Quiet Fan - CPU/Chassis Fan Multi-Speed Control - CASE OPEN detection - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
Certifications	- FCC, CE, WHQL - EuP Ready (EuP ready power supply is required)
Accessories	- 1 x ASRock SLI_Bridge_2S Card - Quick Installation Guide, Support CD, I/O Shield - Floppy/ATA 133 Cables - 4 x SATA Data Cables (Optional) - 2 x SATA 1 to 1 Power Cables (Optional)

Product Brief

- ASRock DuraCap (2.5 x longer life time), 100% Japan-made high-quality Conductive Polymer Capacitors
- Advanced V8 + 2 Power Phase Design
- Supports Dual Channel DDR3 2600+ (OC)
- Supports ATI™ CrossFireX™ and Quad CrossFireX™
- Supports NVIDIA® Quad SLI™ and SLI™
- 1 x Powered eSATAIII/USB Connector, 2 x SATA3 6.0 Gb/s connector, 2 x USB 3.0 Ports
- EuP Ready, Combo Cooler Option (C.C.O.) , Dr. Debug
- Smart Swith Design : Power / Reset / Clear CMOS Switch with LED
- Supports ASRock Instant Boot, Instant Flash, OC DNA, Good Night LED, Multi-Speed Fan Control, OC Tuner, IES
- 7.1 CH HD Audio with Content Protection, DAC with 110dB dynamic range (VIA® VT2020 Audio Codec) , support Premium Blu-ray audio
- Free Bundle: CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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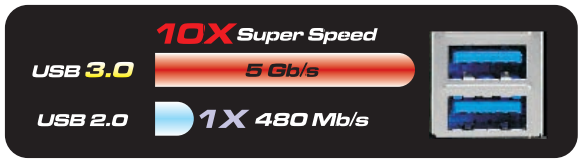
Stunning Data Transfer Speed

ASRock True 333

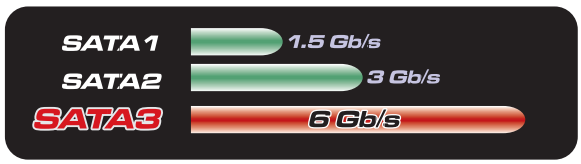
USB3.0



USB3.0, the world's best-known computer peripheral interface once again receives a major revamp to stay current with today's most demands for connectivity bandwidth. Delivering data transfer rates up to ten times faster than USB 2.0 with the optimized power efficiency, USB 3.0 promises a major leap forward in transfer speeds and capability.

SATA3

MARVELL SMART SATA 6Gb/s



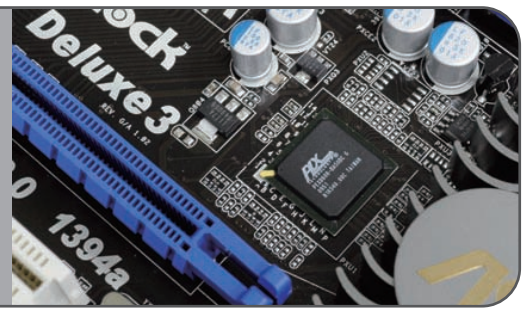
SATA3, the world's fastest interface, enables to maximum your hard disk drive performance. With the new SATA Revision 3.0 technology, ASRock ensures you the incredible data transfer rate up to 6Gb/s speed over SATA2.

eSATA3

eSATA3, the world's only eSATA3 device connectivity.

ASRock True 333 Bridge

ASRock True 333 Bridge design unleashes the performance potential of the latest transfer technology – USB 3.0 and SATA3. Providing PCI-E 2.0 bandwidth for USB 3.0 and SATA3.



ASRock True 333 P.K. Other333

	PCI-E	SATA3	USB 3.0
ASRock True 333 series	x16	PCI-E 2.0	PCI-E 2.0
Other 333 series	x8	PCI-E 1.0	PCI-E 2.0
	x8	PCI-E 2.0	PCI-E 1.0
	x16	PCI-E 1.0	PCI-E 1.0

ASRock True 333 series motherboards can run the PCI-E for VGA card, SATA3 and USB 3.0 at full speed together at the same time. However, other 333 series motherboards can only run one of them at full speed at one time.

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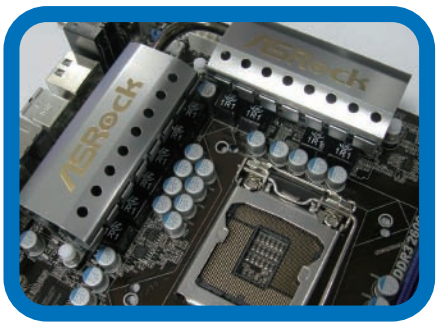
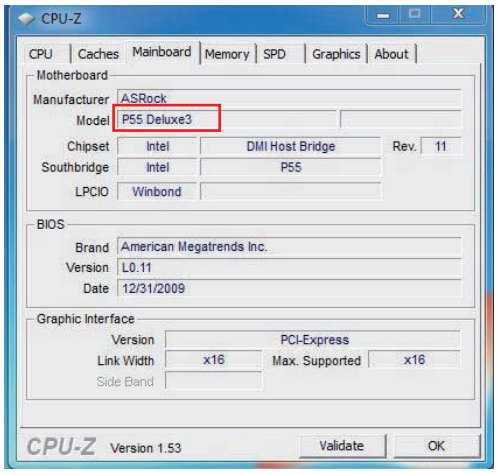
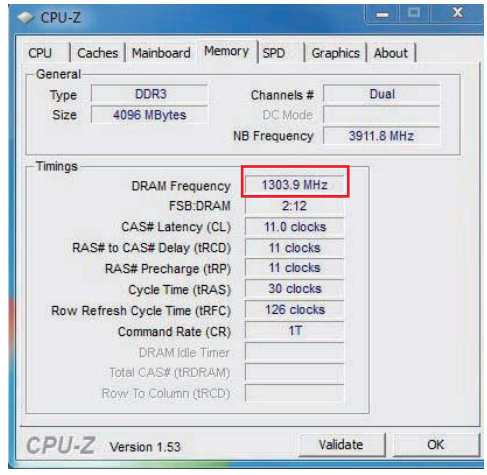
Heatpipe design for CPU power Mosfet

Supports ATI™ CrossFireX™ and Quad CrossFireX™
Supports NVIDIA® Quad SLI™ and SLI™



The World's Fastest Memory DDR3 2600+ support





C.C.O.

Combo Cooler Option

C.C.O. provides the flexible option to adopt two different CPU cooler types, Socket LGA 775* and LGA 1156**.

*C.C.O. may not be compatible with all Socket 775 CPU coolers.
**O is for Socket LGA 1156 CPU cooler.

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Smart Switch Design

Clear CMOS Switch

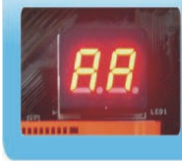
Power Switch

Reset Switch

TPM support

Trusted Platform Module

Secure your working environment! TPM provides enhanced data protection, security via high-level encryption/decryption, and platform integrity.



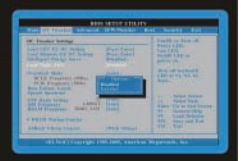
Dr. Debug

Dr. Debug helps you to diagnose the BIOS POST status of your system.

Multi SPEED Fan Control

Set your ideal fan speed by tuning the fan speed from level 1 to 10 in BIOS or OC Tuner.

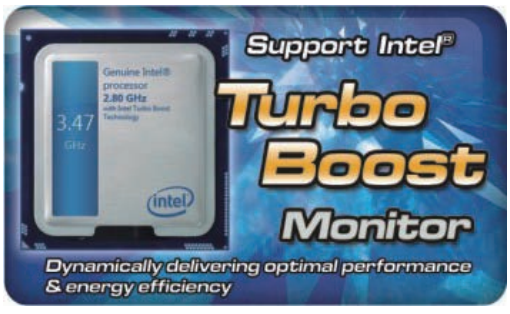
Good Night LED



The Power and Keyboard LED will be automatically switched off when the system is under Standby / Hibernation mode.

Support Intel® Turbo Boost Monitor

Dynamically delivering optimal performance & energy efficiency.



Idle

Working

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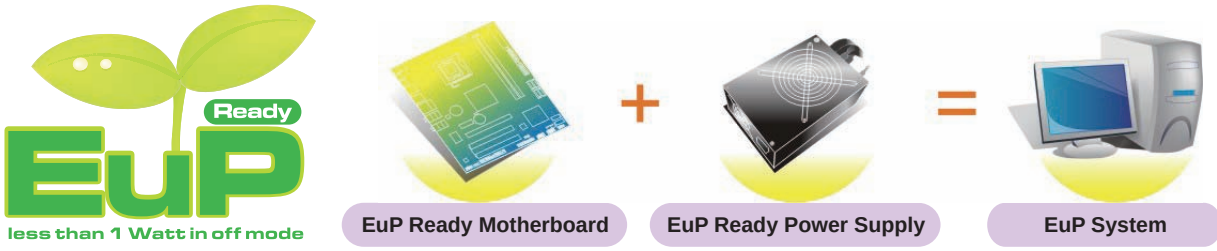


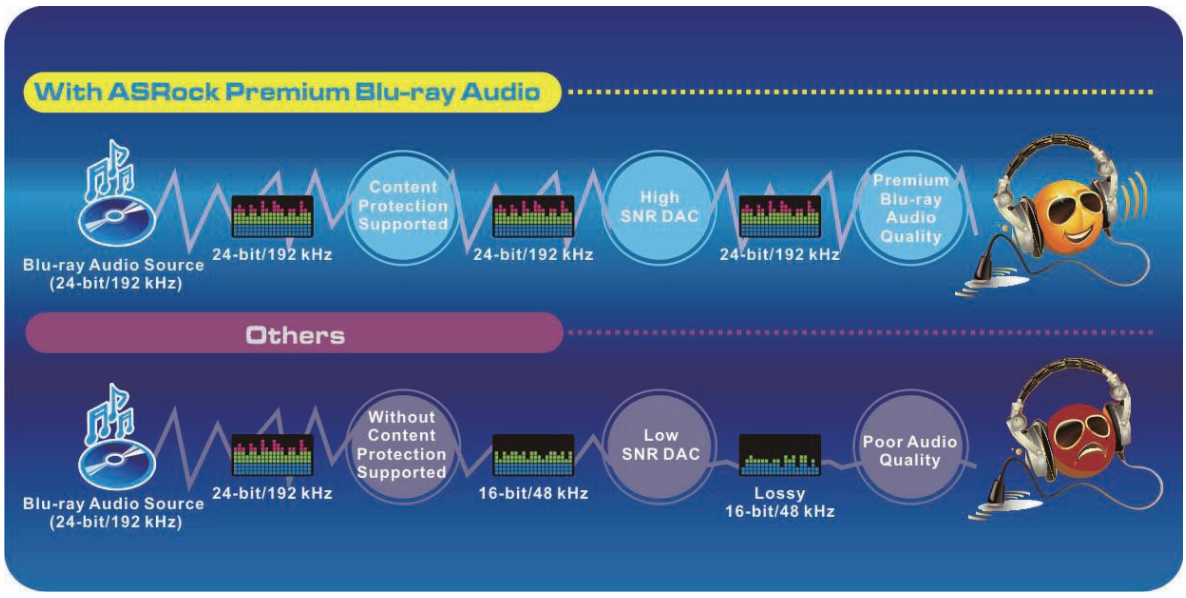
What is EuP?

EuP, stands for Energy Using Product, was a provision regulated by European Union to define the power consumption for the completed system. With the great quantity and the popularly using of the electrical products nowadays and the continuously increasing of the electrical products categories in the following 20 to 30 years, European Union decided to establish an effective strategy to solve the energy consumption problem. That is, according to EuP, the total AC power of the completed system shall be under 1.00W in off mode condition.

Premium Blu-ray Audio

Premium Blu-ray Audio, an outstanding technology developed on ASRock motherboard, provides the excellent audio output of 24-bit/192 kHz with its respective Blu-ray DRM compatible driver/software. With Content Protection-Support and High SNR DAC, the Blu-ray entertainments can be played in a high quality of 24-bit/192KHz. In other words, if you are using a device without the Blu-ray Audio support, the audio quality will be downgraded to 16-bit/48kHz like a regular CD quality. To deliver the best possible sound solution for today's most demanding users, ASRock Premium Blu-ray Audio motherboard is the best choice for users who are particularly desired to enjoy the pure HD audio. ASRock users are able to take full advantages of our Blu-ray Audio motherboards. Choose ASRock, choose Pure HD audio!

Why ASRock?



* SNR: Signal-to-Noise Ratio.

Benefits of ASRock Premium Blu-ray Audio motherboards !

	ASRock Premium Blu-ray Audio motherboards	Other motherboards
Content Protection Support	Yes	No
SNR* DAC	High	Low
Audio Quality	Premium Blu-ray Audio Quality (24-bit / 192 kHz)	Downgrade to regular CD quality (16-bit / 48 kHz)

* SNR: Signal-to-Noise Ratio.

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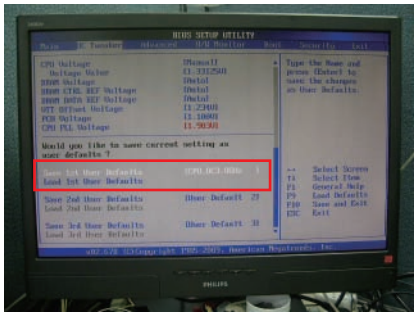
OC DNA

Save your OC settings as a profile and share with friends. Try OC DNA now!

OC DNA Instruction

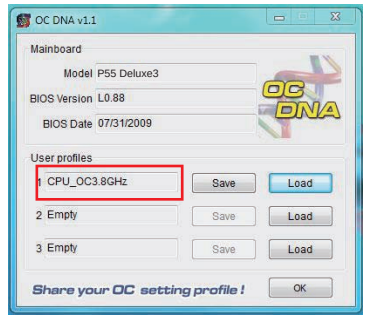
Step 1

Save your BIOS OC settings as User Default in BIOS OC Tweaker menu. (For example: we name this User Default setting as “CPU_OC3.8GHz”)



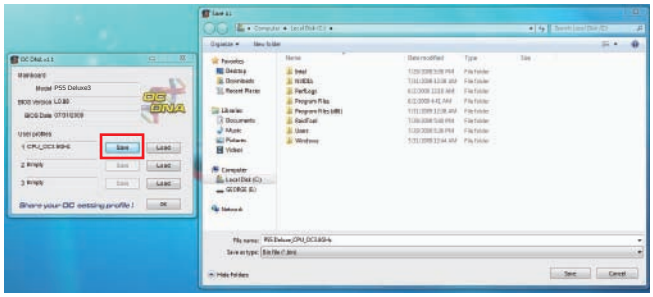
Step 2

Execute ASRock OC DNA under OS, you will find “CPU_OC3.8GHz” as User Profile 1.



Step 3

Press “Save” button to save the “CPU_OC3.8GHz” OC settings as a profile.

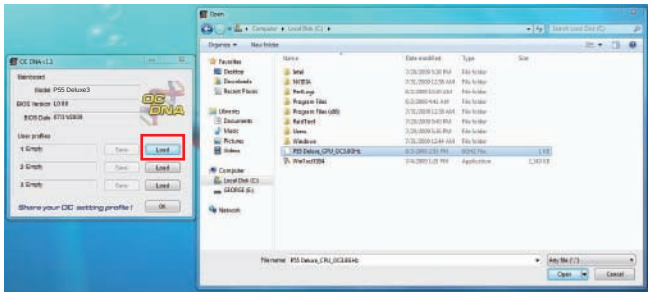


Step 4

Send the “CPU_OC3.8GHz” profile to other friends.

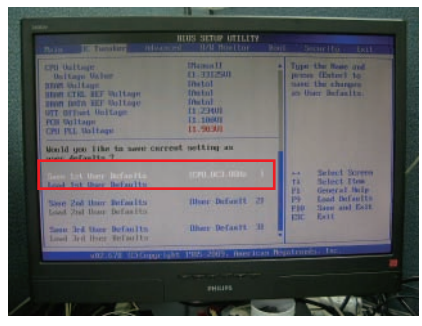
Step 5

When the friend receives your “CPU_OC3.8GHz” profile, he can press “Load” to load the “CPU_OC3.8GHz” profile in OC DNA.



Step 6

After that, the friend can enter into BIOS OC Tweaker menu to load the “CPU_OC3.8GHz” profile as his BIOS OC settings.



Now, you have successfully share your OC setting profile with your friends.

*The OC DNA works only when users use the same motherboard and BIOS version.

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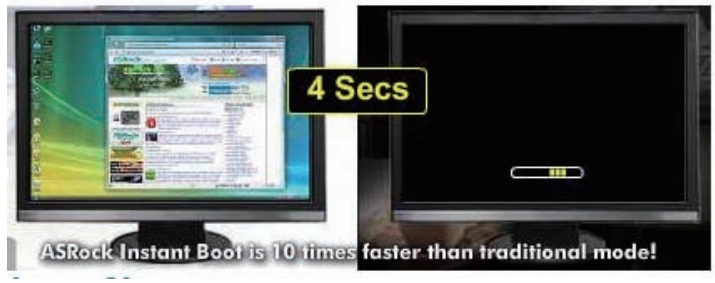
ASRock Instant Boot

ASRock Instant Boot is a new feature invented exclusively by ASRock. It can boot up system in an amazing speed, which is 10 times faster than traditional boot up. For home users or office PC users, ASRock Instant Boot can also guarantee a clean Windows OS, and consumed less power! For details:
http://www.asrock.com/feature/InstantBoot/index.asp

* This function is applicable ONLY to single user that does not secure ID and Password to their systems.
* The boot up time depends on the hardware configuration.

10 Times Faster, Only 4 Secs to Boot Up to Windows!

ASRock YouTube
http://tw.youtube.com/watch?v=BucIjXZVxXo



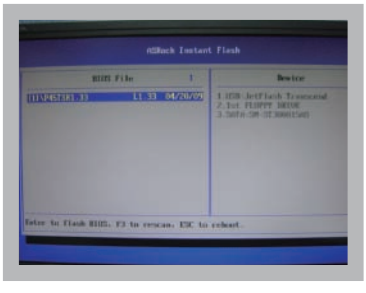
ASRock Instant Flash

ASRock Instant Flash is an exclusive and the most user-friendly BIOS flash utility developed by ASRock. It is embedded in Flash ROM which is used to update the system BIOS without having to enter operating systems like MS-DOS or Windows.

Instant BIOS Flash
Instant Flash BIOS Utility

Features

Once executing ASRock Instant Flash, the utility will automatically detect all devices such as USB, hard disk or even floppy drive to find the exact BIOS for your system. Instead of giving you all BIOS in your devices, the Instant Flash just list BIOS versions that apply to your motherboard model only. For example, if you have many different BIOS of different motherboards saved in your devices, but you just need to flash your P45 motherboard, the Instant Flash will just list the P45 BIOS versions for you. This unique function allows you to easily select the suitable BIOS version instead of browsing through all data.



Instant Flash just list BIOS versions that apply to your motherboard model.

Simple!

Click and start Flashing!

Quick!

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FREE Bundle
ASRock Software Suite
CyberLink Power2Go 6.1 LE OEM
CyberLink MediaShow 4.1 SE OEM
CyberLink PowerDVD 8.0 DTS Trial
CyberLink PowerDirector 8.0 Trial
CyberLink PowerBackup 2.5 Trial
Creative Sound Blaster X-Fi MB Trial

CyberLink

X-Fi XTREME FIDELITY

EAX ADVANCED HD 4.0

CyberLink Power2Go 6.1 LE OEM

Power2Go 6 lets you burn and backup videos, photos, music and data onto Blu-ray Discs and DVDs.

CyberLink MediaShow 4.1 SE OEM

Photo and video management software MediaShow edits videos and photos instantly, creates slideshow, and allows publishing directly to YouTube and Flickr.

CyberLink PowerDVD 8.0 DTS Trial

World-renowned PowerDVD 8 DTS delivers outstanding DVD movie playback quality on your PC.

CyberLink PowerDirector 8.0 Trial

PowerDirector - Video Editing software – edits high-definition videos including AVCHD, allows output to PSP iPod and Blu-ray Disc.

CyberLink PowerBackup 2.5 Trial

PowerBackup backups valuable data on your PC.

Creative Sound Blaster X-Fi MB Trial

The Sound Blaster X-Fi MB solution provides premium audio quality, effects and features for PC systems equipped with onboard audio.

For gamers, the EAX® ADVANCED HD 4.0, with its state-of-the-art Multi-Environment rendering and reverb modelling, delivers a much more realistic and immersive 3D gaming experience than your motherboard audio ever will.